

## PATENT ABSTRACTS OF JAPAN

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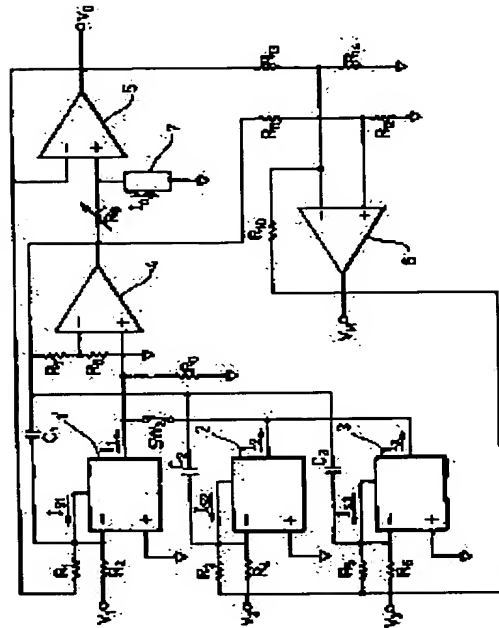
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## (54) COMPOSITE CONTROLLING AMPLIFIER

## (57)Abstract:

PURPOSE: To hold a terminal voltage of a load constantly, by controlling an amplifier to be controlled with a specific controlling amplifier.

CONSTITUTION: When an operational amplifier 4 is controlled with a controlling amplifier 2, a saturation preventing current IS1 flows to a controlling amplifier 1' in this state. A prescribed relation exists among the IS1, an input voltage V1 of the amplifier 1' and an output voltage V0. Thus, when a switch SW2 is opened and the control of an operational amplifier 4 with the amplifier 2 is blocked, the control of the controlling amplifier 1' is realized quickly. No spike voltage due to the controlling amplifier switching is generated. Since the operational amplifier 4 is controlled with the amplifier 1' exclusively, the output voltage V0 is unchanged even if voltages VM, V2, and V3 are changed.



## LEGAL STATUS

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